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(71) Applicant (*for all designated States except US*): **KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]**, Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **KURT, Raplh [DE/NL]; c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven (NL). LIEDENBAUM, Coen, T., H., F. [NL/NL]; c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven (NL). HENDRIKS, Robert, F., M. [NL/NL]; c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven (NL).**

(74) Agent: **DEGUELLE, Wilhelmus, H., G.; Philips Intellectual Property & Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).**

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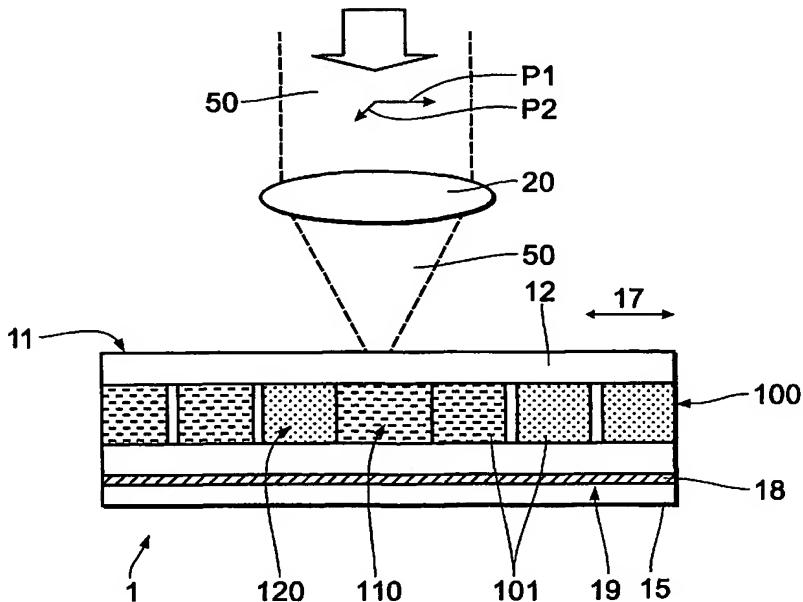
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[Continued on next page]

(54) Title: OPTICAL INFORMATION RECORD MEDIUM



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(57) Abstract: An optical information record medium (1) has at least one information layer (100) comprising a transparent substrate wherein nano-elements (101), for example nanotubes, having a symmetry axis are embedded. Information can be recorded by orienting the axes of the nano-elements within selected regions (110,120) in the same direction. Information can be read from the medium by means of a radiation beam having a polarization direction (p1, p2) corresponding to the said direction of the nano-elements, thereby creating absorptive information areas (110,120). In this way high information density can be achieved.